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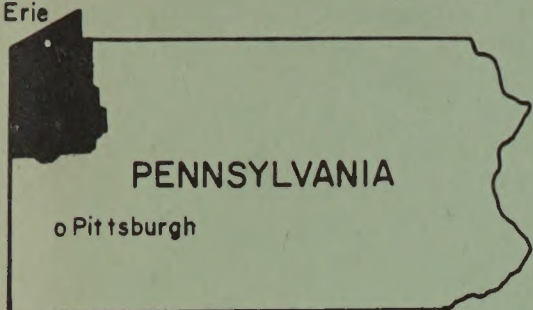
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CRAWFORD-ERIE-MERCER-VENANGO COUNTIES

Erie



Penn Soil

Resource Conservation and Development Project

Project plan Highlights

August 1971

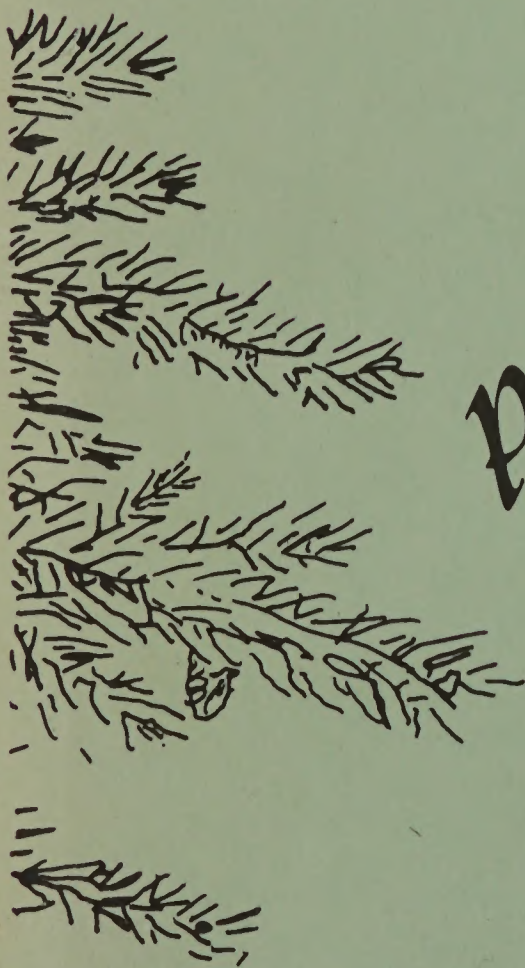
Developed by

Project Sponsors

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PENN SOIL RESOURCE CONSERVATION AND DEVELOPMENT
PROJECT PLAN
HIGHLIGHTS

Prepared under Authority of the Food and Agriculture Act of 1962
US Congress (Public Law 87-703)

Penna.
Developed by

Soil and Water Conservation Districts and Boards of County Commissioners
of Crawford, Erie, Mercer and Venango Counties

Cooperating with:

State of Pennsylvania

USDA and other Federal Agencies

Local Governments and Civic Organizations

601301



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF FORESTS AND WATERS
HARRISBURG
17120

AS OF JANUARY 19, 1971
DEPARTMENT OF ENVIRONMENTAL RESOURCES
HARRISBURG
17120

August 24, 1971

Mr. R. M. Davis
State Conservationist
U. S. Soil Conservation Service
Box 985, Federal Square Station
Harrisburg, Pennsylvania 17108

Dear Mel:

As the designated review agency of the Governor of Pennsylvania, the State Soil and Water Conservation Commission endorses the revised Penn Soil Resource Conservation and Development Project Plan. The Pennsylvania State Clearing House has also reviewed and endorsed this revised plan and we concur in their actions.

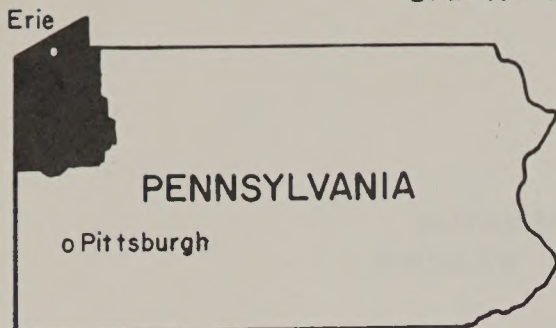
The local sponsors, as well as the local, state and federal agencies who participated in revising this plan, are to be complimented for their objectives for area improvement and for the time and effort devoted to the project.

Attaining the objectives set forth in this program will require the coordinated action of many interested individuals, units of government and agencies. The State Soil and Water Conservation Commission offers the project sponsors the full cooperation and assistance of its office in the implementation of this plan.

Sincerely yours,

A handwritten signature in dark ink, reading "Maurice K. Goddard".

Maurice K. Goddard, Chairman
State Soil and Water Conservation
Commission



Penn Soil

Resource Conservation and Development Project

To Citizens of the Penn Soil Project Area:

This plan is a revision of our original Penn Soil Resource Conservation and Development Project Plan which was completed in 1964. It has been revised to add Erie County to the project area and to bring up-to-date the project measures which have been added and deleted since 1964. In revising this plan, we have placed additional emphasis on the environmental projects within the RC&D area. Environmental Study Committees have been active in all four counties. They have instituted many broad projects aimed at protecting and improving our environment.

This is a rather unique broad resource plan. It is a product of hundreds of people from the four counties. Many local, state and federal agencies' representatives served as advisors and provided technical information needed for sound resource planning. It is an action plan. The installation of each project measure is a step forward in achieving our overall objectives.

The plan is flexible and open-ended. It provides a firm foundation upon which to build our future. Although much time has been spent on this plan, it is not intended to be complete. Projects to conserve, develop and utilize our resources can be added as the need arises. There are many measures that need additional study to determine their feasibility.

This plan is of little value unless we move ahead to complete the listed project measures. We, the project sponsors, realize this obligation and fully intend to provide continued leadership and support in implementing this plan.

The Executive Committee has asked that I convey their thanks for the support of all the people in this area in making this project a success. We have accomplished a lot for our area since the development of the original project plan in 1964. If we continue to work together, we can accomplish many more projects listed in our revised plan for the good of the area.

David J. Woods
 David J. Woods
 Chairman, Executive Committee

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Dear Soil

PROJECT PLAN HIGHLIGHTS

PROJECT PLAN HIGHLIGHTS

This plan is a revision of the original Penn Soil Plan prepared in 1964. The revision was made to add Erie County to the project area (approved in February, 1970) and to update and add project measures.

The Penn Soil project area now includes Crawford, Erie, Mercer and Venango Counties. These counties, located in the extreme northwest corner of Pennsylvania, comprise 2.04 million acres and constitute a part of the state's northwest planning region.

Penn Soil is an area with many varied characteristics. Forestry, dairying, oil and gas production, steel making, and fruit orchard enterprises predominate. It is a land of moderate topography, wet soils, extensive marshes, bogs, and lakes including Pennsylvania's largest - Lake Erie. It is both rural and urban in nature. Over 534,524 people live in the area. And yet areawide, 40% of the population can be classified as rural, because over $\frac{1}{2}$ the total population is concentrated in Erie County. Over 600 industrial firms are clustered around the cities of Erie and Sharon. And yet, just a stones throw away is one of the best fruit and vegetable growing regions in the state. About 37% of the area is in cropland and pasture use, 49% is in woodland and 14% is in urban and urbanizing uses. Water is a major resource of the area. Over 658,000 acres of lakes and reservoirs and almost 500 miles of streams are available for industrial, municipal, and recreational uses.

The project is sponsored and administered by the Boards of County Commissioners and the Soil and Water Conservation Districts of the four counties. Under the leadership of the Sponsor's Executive Council nearly 300 local citizens have been organized into study groups to analyze the areas resource problems and opportunities. Proposals aimed at improving or protecting the resource base were developed by the study committees and submitted to the executive council for review. If the proposals were in keeping with the project objectives, they were adopted as project measures and included as part of this plan. Many federal, state, and local agencies assisted both the study groups and the executive council in this evaluation process.

The 1964 plan included 87 project measures. Since then, the sponsors have added 125 measures. The revised plan includes all 212 measures. Of this total, 57 measures are in the planning stage, 92 are in operation, 33 are completed and 29 have been cancelled.

Historically, the economy of the area was closely tied to the family farm. In recent times, however, the family farm has declined in economic importance until it now employs less than 4% of the total work force. Low farm income has been the primary reason for this decline. Contributing factors include unfavorable soil conditions, short growing season, insufficient resources, competition for prime agricultural land, lack of young people who are interested in farming and other

related problems. Income from woodlands is also well below its potential because of similar problems with management and marketing.

Opportunities for improving farm and woodland income include making adjustments in farm size and type of enterprises, developing those farms that have the potential for recreational opportunities in conjunction with the farm or woodlot, and accelerated programs for improving operator technical skills. Expanded use of existing state and federal programs will help bring about these changes.

Abundant water resources have played a significant role in the development of the region, but not without problems. Poor water quality resulting from pollution, flooding and contamination of the ground water table are presently limiting the use of this important resource. Pennsylvania's new Clean Streams Law, acceleration of PL 566 projects, flood plain zoning, and public educational programs on water quality are but a few of the opportunities available for improving the quality and quantity of this important resource.

Project sponsors want to make their region a better place to live, work and play. In an effort to attain these goals, opportunities must be supplied for good recreation and fish and wildlife habitat. Existing opportunities will have to be improved and new ones established. Scenic beauty and general attractiveness are considerations in all improvements.

Improved development and use of resources may be accomplished by the use of such items as inventory and appraisal of recreational potentials, distribution of vacation brochures and planning for full development of water resources.

Literally hundreds of small communities are scattered throughout the area. Historically, these communities were trade and agricultural centers. With few exceptions they have not kept pace with the changing nature of their region. In order to grow, these communities must now include central water and sewage facilities, sound land use planning, expanded schools, updated housing, pollution control, and greater community neatness and civic pride.

By taking full advantage of existing federal and state programs and by completing and implementing both community and regional land use plans, local citizens believe they can meet this challenge. Already many communities are improving their appearance, their sanitation facilities, and are attracting new industry to employ their citizens.

In light of these problems, the sponsors have adopted objectives which will guide local citizens and others towards improving the quality of their environment. To reach their goal specific objectives were selected to increase farm incomes, to promote multiple resource use, to develop and improve the quantity and quality of the water resources, and to provide more opportunities for recreation, fish and wildlife development.

The sponsors now have 7 years of experience behind them in carrying out an RC&D project. During this time they have demonstrated that the concept of helping people help themselves truly does work. To date, 33 of the adopted project measures have been completed. These completed measures represent an estimated expenditure of 33.1 million dollars and have added 907 annual man years of employment. Another 92 project measures are in the process of installation. These measures, when complete, will represent an estimated expenditure of 152 million dollars and will add 3,879 annual man years of employment.



Better use of renewable resources through completed project measures.

PROJECT PLAN

- OBJECTIVES
- SUMMARY OF PROJECT MEASURES
- STATUS OF PROJECT MEASURES
- SPONSORS ORGANIZATION
- PROJECT MEASURE MAP

THE PROJECT PLAN

Herein is a summary of our revised plan for action. First, we studied and analyzed the problems and opportunities of the project area. Then we (the sponsors) adopted project objectives which we felt would improve, develop and protect our resource base for the future. Finally, our executive council reviewed and studied the merits of over 250 proposals developed by local study committees and others to determine if they helped to meet the established objectives. If they did, the proposal was adopted as a project measure. Of course, not all proposals passed the test - some were tabled for future study and some were dropped - many were adopted.

Adopted project measures were placed into one of four groupings based on the primary purpose of the measure. Group 1 contains those measures related to THE DEVELOPMENT OF OUR AGRICULTURAL AND WOODLAND RESOURCES; Group 2 contains those measures for the DEVELOPMENT OF OUR WATER RESOURCES; Group 3 contains those measures for the DEVELOPMENT OF OUR OUTDOOR RECREATION, FISH AND WILDLIFE RESOURCES and Group 4 contains those measures aimed at the IMPROVEMENT OF OUR COMMUNITY ENVIRONMENT.

By placing the measures into one of these four groups we have attempted to show that our objectives cannot be reached by the completion of a single measure but only by completion of a whole series of measures within the grouping. Within each grouping the measures are arranged in two subsections: First, are those measures which were carried forward from our 1964 plan; second, are those measures added since 1964. Our original measures were updated and revised as needed to reflect our progress.

Each measure has been assigned a measure number and a name. Immediately following the measure name is a coding which categorizes the measures by type for record keeping purposes. (See Appendix 1) Where applicable, a site number has been assigned to a project measure so it can be located on the Project Measure Map.

Our revised plan is still incomplete because it is flexible; that is, we will continue to add and delete measures to keep pace with our changing situation.

OBJECTIVES

The primary objective of Resource Conservation and Development Projects is threefold -

to promote community betterment.

to stimulate economic development and create new jobs.

to improve the quality of the environment.

To help guide local study committees and our executive council, we have established more specific objectives within each study area. We believe these objectives will guide future decisions of the sponsors and others engaged in the field of resource development. These objectives also provide the thread which ties together individual project measures into a plan of action.

- FOR OUR AGRICULTURE AND WOODLAND RESOURCES

1. Increase farm incomes

- by identifying and preserving for agricultural use those high potential soil areas that are large enough to support efficient agriculture.
- by accelerating conservation planning and treatment, and technical assistance in these areas.
- by identifying for farm owners resource opportunities which will lead to the development of other income producing enterprises, including recreation.
- by expanding educational programs that can improve the management skills of farm operators.

2. Promote compatible uses for the woodland which will increase incomes, provide recreation or enhance fish and wildlife

- by developing markets for low grade wood materials.
- by accelerating technical forestry assistance to woodland owners.
- by preserving selected woodlands for open space, recreation and natural beauty.

3. Support land use planning and regulation which are based on the resource limitations for use

- by providing accelerated technical assistance to local municipalities for developing workable land use plans and regulations.

- by identifying and preserving natural, scenic, historical and open space areas.
- by minimizing the effects of erosion and sedimentation and agricultural, domestic and industrial waste.

- FOR OUR WATER RESOURCES

Improve and protect water resources

- by reducing flooding hazards.
- by minimizing stream and lake pollution.
- by assisting municipalities delineate and limit the use of flood plains.
- by developing water resources for recreation, fish, wildlife, domestic and industrial supplies and rural fire protection.

- FOR OUR OUTDOOR RECREATION, FISH AND WILDLIFE RESOURCES

Improve and develop outdoor recreation opportunities and fish and wildlife populations

- by developing water-oriented recreation.
- by locating and developing additional sites for popular forms of outdoor recreation such as fishing, hunting, hiking and picnicking.
- by developing more open space areas for parks, playgrounds and nature study areas near growth centers.
- by improving the quality of environment for waterfowl, fish and upland game.

- FOR OUR COMMUNITY ENVIRONMENT

Improve the quality of environment for all citizens

- by securing and/or developing programs to eliminate inadequate housing.
- by expanding medical and dental facilities in rural areas.
- by beautifying roadsides and streambanks.
- by providing educational programs for all citizens to improve their employment opportunities.

- by assisting communities in identifying sources of financial and technical assistance for reducing pollution and improving public facilities such as water and sewers.



To make the area a better place to live, work and play.

SUMMARY OF PROJECT MEASURES

- FOR THE DEVELOPMENT OF OUR AGRICULTURAL AND WOODLAND RESOURCES

A. Original measures (revised)

1. ACCELERATED SOIL SURVEY

The purpose of this measure is for the rapid completion of a medium intensity soil survey and interpretations for Crawford County.

2. ACCELERATED CONSERVATION PLANNING

The purpose of this measure is to provide accelerated conservation planning assistance and priority consideration for developing conservation plans which will help implement the measures contained in this plan.

3. RESOURCE PLANNING ASSISTANCE IN AREAS OF RAPIDLY CHANGING LAND USE

Technical planning assistance is required from the Soil Conservation Service by local units of government and their agents to facilitate the implementation of 56 of the project measures contained herein.

4. LAND TREATMENT

This measure requires accelerated assistance from the Soil Conservation Service to establish the needed conservation practices resulting from the above two measures.

5. ACCELERATED STUDIES FOR THE UTILIZATION AND MARKETING OF FOREST PRODUCTS - COMPLETED

6. AN EDUCATION PROGRAM TO DEVELOP A BETTER PUBLIC IMAGE OF THE FARMER - CANCELLED

7. EDUCATIONAL ASSISTANCE TO FARMERS IN EFFECTING THE LEGAL AND ORDERLY TRANSFER OF FARM FROM FATHER TO SON - CANCELLED

8. AN EDUCATIONAL PROGRAM TO ENCOURAGE THE DEVELOPMENT AND USE OF MORE EQUITABLE LEASING AGREEMENTS - CANCELLED

9. AN EDUCATIONAL PROGRAM RELATING TO FARM OPERATIONS - CANCELLED

10. A STUDY RELATING TO THE POSSIBILITIES OF GROWING SPECIALIZED CROPS - CANCELLED

11. AN EDUCATIONAL PROGRAM TO SHOW THE VALUE OF IMPROVED FARM MANAGEMENT - CANCELLED

12. AN EDUCATIONAL PROGRAM TO SHOW THE VALUE OF EFFICIENT FARM BUILDINGS - CANCELLED
13. AN EDUCATIONAL PROGRAM TO ENCOURAGE THE WIDER USE OF A COMPLETE SOIL TESTING PROGRAM - CANCELLED
14. AN EDUCATIONAL PROGRAM TO ACQUAINT COUNTY RESIDENTS AS TO THE USE AND VALUE OF THE SOIL SURVEY REPORT

B. MEASURES ADDED SINCE 1964

88. SURFACE MINE EVALUATION

There is a need to determine soil site conditions on existing strip-mined areas in order to carry out planting and restoration projects.

89. ROADBANK STABILIZATION

Over 500 miles of roadbanks in the project area need planting to reduce erosion.

90. ESTABLISH LAND IMPROVEMENT CONTRACTORS ASSOCIATION - COMPLETED

91. PROMOTE MINIMUM TILLAGE

There is a need to promote more minimum tillage as a conservation measure within the project area.

92. STREAMBANK STABILIZATION - OIL CREEK - COMPLETED

93. MARKETING POLE TIMBER

Additional markets need to be found for this material.

94. FORESTRY EDUCATION AND INFORMATION PROGRAM

A program is needed to provide forestry education and information to private woodlot owners and the general public.

95. AGRICULTURAL WASTE DISPOSAL

There is a need to provide technical and financial assistance to farmers in disposing of agricultural wastes in a safe and a legal manner.

96. PRESERVATION OF FLOOD PLAINS, NATURAL WATERWAYS AND HILLSIDES

A study of Venango County is needed to delineate areas which should be preserved in their natural state.

97. EDUCATIONAL ASSISTANCE TO FARMERS IN MAKING FARM DECISIONS

Both group and individual help should be given to area farmers in the economics of farm operation to assist them in farm decision making and business operation skills and for more effective enterprise management.

98. NEW OPPORTUNITIES IN AGRICULTURAL ENTERPRISE

An accelerated educational program is proposed to alert the agricultural community to opportunities for new farming enterprises. All aspects of production and marketing should be studied.

99. AN EDUCATIONAL PROGRAM TO SHOW THE VALUE OF EFFICIENT FARM BUILDING

Both group and individual planning assistance should be provided to point out to area farmers the value of farm buildings designed for low unit cost and maximum labor efficiency.

100. AN EDUCATIONAL PROGRAM TO ENCOURAGE WIDE USE OF MODERN MANAGEMENT TOOLS TO IMPROVE FARM INCOME

Educational programs should be conducted to acquaint and encourage more farmers to use the latest management tools to assist them in their farm operation.

101. FORESTRY TECHNICIAN

A forestry technician is needed within the project area in order to release the professional foresters so that they may work with more people on the wise use of our forest resources.

102. SEDIMENT CONTROL IN HARVEST CUTTING

There is a need to work with landowners and lumbermen in reducing sediment during the cutting of trees.

- FOR THE DEVELOPMENT OF OUR WATER RESOURCES

A. Original measures (revised)

15. WATERSHED PROTECTION AND FLOOD PREVENTION PL-566 PROJECTS - SITE NUMBERS 1-6

This measure is for the acceleration and rapid completion of the 6 existing PL-566 watershed projects.

16. FRENCH CREEK FLOOD CONTROL - SITE NUMBERS 7-9

This measure is for the acceleration of the three U. S. Army Corps of Engineers' flood control structures - Union City, Site Number 7; Woodcock Creek, Site Number 8; and Muddy Creek, Site Number 9.

17. NEW WILMINGTON DEVELOPMENT - Site Number 11

This measure is for the development of a 500-acre impoundment on the west branch of Neshannock Creek.

18. SENECA LAKE - CANCELLED

19. LAKE-SIDE HOUSING - SITE NUMBER 14 - COMPLETED

20. OTTER CREEK DEVELOPMENT - CANCELLED

21. CONNEAUT LAKE NUMBER 2 - CANCELLED

22. CUSSEWAGO LAKE - SITE NUMBER 16

This measure is for the installation of U. S. Army Corps of Engineers' flood control structure at the Denny School site, 4 miles northwest of Meadville.

23. CRANBERRY LAKE - CANCELLED

24. ALLEGHENY RIVER FABRI - CANCELLED

25. CHUBB RUN FLOOD PROTECTION - CANCELLED

26. SUGAR LAKE IMPROVEMENT - CANCELLED

27. SPARTANSBURG LAKE - SITE NUMBER 17

This measure is for the enlargement and deepening of Clear Lake near Spartansburg in Crawford County by the Pennsylvania Department of Environmental Resources.

28. LITTLE SUGAR CREEK LAKE - CANCELLED

29. A STUDY OF IMPOUNDMENT DEVELOPMENT IN CONJUNCTION WITH HIGHWAY CONSTRUCTION - CANCELLED

30. LAKE HANNAVILLE - CANCELLED

31. CROSS CREEK LAKE - CANCELLED

B. Measures added since 1964

103. LAKE LATONKA - SITE NUMBER 43 - COMPLETED

104. OIL MILL RUN - SITE NUMBER 44

A study is needed to determine the feasibility of developing a multiple purpose site to prevent flooding and to provide recreation opportunities in Mercer Borough.

105. PRAIRIE RUN TRIBUTARY ON EAST SANDY CREEK

This stream is polluted by mine acid. Local people feel that this stream can be restored.

106. CONNEAUT LAKE - THATCHER RUN - CANCELLED

107. POLLUTION ABATEMENT - WOLF CREEK

There is a need to seal old coal mines and stabilize strip-mine areas in this watershed.

108. STUDY OF STRIP-MINE POOLS

This study will provide basic information on the water and aquatic life in the strip-mine pools in Mercer County.

109. COUNTY STREAM MAP - COMPLETED

110. FRENCH CREEK WATERSHED ASSOCIATION

This watershed association is actively working on pollution problems and general stream improvement within the watershed.

111. WEST MEAD TOWNSHIP LAKE - SITE NUMBER 45

A pond is proposed for recreation and fire protection.

112. SHENANGO RIVER WATERSHED ASSOCIATION

This proposal calls for the organization of a watershed association on the most polluted river in northwestern Pennsylvania.

113. NESHANNOCK WATERSHED ASSOCIATION

A watershed association has been formed to protect and improve the resources of this watershed and is in the process of determining pollution sources within the watershed.

114. SLIPPERY ROCK WATERSHED ASSOCIATION

A watershed association has been formed primarily to control pollution within the watershed.

115. NESHANNOCK CREEK

This measure is for the development of two sites in the Neshannock Creek Watershed for low-flow augmentation by the U. S. Army Corps of Engineers.

116. HEMLOCK CREEK

This project is for pollution abatement and general stream cleanup.

117. PINE RUN - SHARON

This measure is for the general cleanup of this small stream within the city of Sharon.

118. PINE RUN IMPROVEMENT - NESHANNOCK

The purpose of this project is to stabilize critical sediment producing areas, reduce pollution in the stream and improve fishing conditions.

119. SAUL-MATHAY STREAM IMPROVEMENT - SITE NUMBER 46

This stream channel needs to be cleared, banks seeded and maintained in an open condition, and flood plain zoning needs to be initiated to properly protect this stream where it flows through the town of Greenville.

120. STREAM MONITORING

The high schools and colleges in the Erie area are setting up a stream-monitoring program.

121. MULTIPURPOSE RESERVOIR EAST BRANCH LE BOEUF CREEK - SITE NUMBER 47

The purpose of this project is to study the feasibility of developing a multipurpose reservoir on LeBeouf Creek, Green Township, Erie County.

122. UNION CITY RECREATION RESERVOIR - SITE NUMBER 48

This project calls for the establishment of a 580-acre permanent pool and surrounding recreational complex at the Union City Reservoir.

123. SIXMILE CREEK RESERVOIR - HARBOR CREEK - SITE NUMBER 49

This measure is for the development of a reservoir on Sixmile Creek south of Route 430 and east of Route 531 for recreation, water supply and limited flood protection.

124. PINE CREEK STREAM IMPROVEMENT - TITUSVILLE

This measure is for making a study of this stream to determine how it can be restored.

125. HORSE CREEK WATERSHED RESTORATION

This measure is for the restoration of this stream.

126. HALLS RUN

This stream is now polluted with mine acid. The local Soil and Water Conservation District will attempt to clean up the stream to improve its fishing and recreational use.

127. STREAM SEDIMENT STUDY - CRAWFORD

This measure is for a study to determine what can be done to reduce sedimentation on this stream.

128. YELLOW CREEK RESTORATION

This measure is for a study of the sources of pollution on this stream. After the sources are pinpointed, a restoration program will be carried out.

129. TWOMILE RUN LAKE - SITE NUMBER 50

This measure is for the completion of a 140-acre lake to serve as a base for the county park.

- FOR THE DEVELOPMENT OF OUR OUTDOOR RECREATION, FISH AND WILDLIFE RESOURCES

A. ORIGINAL MEASURES (Revised)

32. CROOKED CREEK WATERFOWL DEVELOPMENT - SITE NUMBER 10 - COMPLETED

33. ERIE NATIONAL WILDLIFE REFUGE - SITE NUMBER 15

This measure is for the completion of 23 low dams on the Erie National Wildlife Refuge located 8 miles east of Meadville.

34. SUGAR CREEK RECREATION AREA - CANCELLED

35. WATERFOWL MARSH DEVELOPMENT - SITE NUMBER 18

This measure is for the development of a large marsh for waterfowl located 3 miles east of Cambridge Springs on Muddy Creek in Crawford County.

36. WOLF CREEK WATERFOWL MARSH DEVELOPMENT - CANCELLED

37. WILDLIFE MARSHES - SITES NUMBER 19

This measure provides for the establishment of 6 water-fowl impoundments by the Pennsylvania Game Commission and/or the U. S. Fish and Wildlife Service.

38. PYMATUNING STATE PARK - SITE NUMBER 20

The purpose of this measure was for the expansion and the improvement of a state park on Pymatuning Lake.

39. SHENANGO RESERVOIR, RECREATIONAL AREA - SITE NUMBER 21

This measure provides for the development of 5 recreation areas in conjunction with the Shenango River flood control project of the U. S. Army Corps of Engineers.

40. VACATION BROCHURE - COMPLETED

41. MARKING OF GEORGE WASHINGTON TRAIL

This measure is for the marking of a trail travelled by Lt. George Washington during the French and Indian War from Venango County to Erie County.

42. TOURIST PROMOTION AGENCY

The purpose of this measure is to encourage stronger financial and public support for the tourist promotion agencies in each county.

43. PINE GROVE GOLF COURSE EXPANSION - SITE NUMBER 25

This measure is for the expansion of the Pine Grove Golf Course which is located one mile east of Grove City in Mercer County.

44. GOLF COURSE CONSTRUCTION - SITE NUMBER 26 - COMPLETED

45. SANDY LAKE STATE PARK (MAURICE GODDARD PARK) - SITE NUMBER 27

This measure is now well underway. It calls for the completion of a state park around the 1,740 acre PL-566 Sandy Lake site in Mercer County.

46. OIL CREEK VALLEY STATE PARK - SITE NUMBER 28

This measure is for the creation of an 8,676 gorge-type state park in the southern edge of Titusville.

47. MERCER COUNTY RECREATION DIRECTOR

A full-time recreation director is proposed by the Recreation Study Committee for Mercer County.

48. WINTER SPORTS CENTERS - SITES NUMBER 29

This measure is for the development of 3 winter sports centers - one in southeastern Mercer County, one in northwestern Mercer County and one in northern Venango County.

49. SHOOTING PRESERVE - SITE NUMBER 30 - COMPLETED

50. ALLEGHENY GROGE STATE PARK - SITE NUMBER 38

A gorge-type state park is proposed on the Allegheny River between Franklin and Emlenton in Venango County.

B. MEASURES ADDED SINCE 1964

130. GREENVILLE PARK DEVELOPMENT - SITE NUMBER 51

This measure is for the improvement of the present facilities at the Greenville Park.

131. OAK TREE GOLF COURSE - SITE NUMBER 52

This measure is for the development of an 18-hole championship course including housing, winter sports and possibly fee fishing.

132. FISH FOR FUN - NESHANNOCK

This stream has been designated by the Pennsylvania Fish Commission as a Fish for Fun Stream. Stream improvement and bank stabilization are needed in order to fully improve this stream.

133. CAMBRIDGE PARK - SITE NUMBER 54

The Cambridge Springs School District is interested in developing an outdoor conservation laboratory and community park at this site.

134. PALUMBO'S PAR 3 GOLF COURSE - SITE NUMBER 55

This measure is for the development of a small lake in conjunction with the development of this facility.

135. FARRELL TOT LOT - SITE NUMBER 56 - COMPLETED

136. LINDY'S RECREATION AREA - SITE NUMBER 57

This measure is for the development of a private recreation area on a reclaimed strip mine area.

137. FARMA CAMPGROUND - SITE NUMBER 58 - COMPLETED

138. NESHANNOCK RECREATION AREA - SITE NUMBER 59

This measure is for the development of a private recreation area along the banks of the Neshannock Creek.

139. TOUR MAP

This project is for the development of a tour map in Crawford and Venango Counties.

140. CRAWFORD PARK - SITE NUMBER 60

This measure is for the development of a county park on the south side of Woodcock Reservoir.

141. RECREATION POTENTIAL STUDY

A recreation potential study has been completed in Crawford County. A similar study is needed in Mercer, Erie and Venango Counties.

142. CARRIER'S CAMPGROUND - SITE NUMBER 61

This measure is for the development of a private recreation area at the intersection of Routes 62 and 79.

143. CRANBERRY SWAMP - SITE NUMBER 62

This measure is for providing the technical assistance that will be needed in the development of a private waterfowl and natural area.

144. TWOMILE RUN COUNTY PARK

A 140-acre lake with 4.4 miles of shoreline will serve as the focal point for the development of a 2,700-acre county park in Venango County.

145. SCHOLLARD'S RUN WETLAND - SITE NUMBER 63

This measure is for the development of a nature study area on a site owned by Western Pennsylvania Conservancy.

146. JEFFERSON PARK - SITE NUMBER 64

This measure is for the completion of a small park in Jefferson Township. The park will include an ice skating rink, softball field, Little League field and toboggan run.

147. HEMPFIELD TOWNSHIP PARK

This measure is for the development of a park within Hempfield Township which will include a 7-acre pool that will serve as a base for water-oriented recreation.

148. BRANDY SPRINGS PARK - SITE NUMBER 66

This facility needs to be modernized to continue to meet the recreational demands of this community.

149. GUYASUTA BOY SCOUT CAMP - SITE NUMBER 67

This measure was for the establishment of a new Boy Scout Camp. The old camp site had to be moved because of the construction of the Shenango River Reservoir.

150. CONNEAUTVILLE OUTDOOR LABORATORY - SITE NUMBER 68

This measure is for the establishment of an outdoor educational laboratory by the Conneautville School District.

151. MEADVILLE PARK DEVELOPMENT

This measure is for the completion of a 1.4 million dollar recreation facility near Rainbow Lake in Meadville.

152. VERNON TOWNSHIP PARK DEVELOPMENT - SITE NUMBER 70

Land has been donated to the township for recreational development. This measure is for the development of the plans to complete this project.

153. BURGESS PARK DEVELOPMENT - SITE NUMBER 71

This measure is for the development of a park located in the city of Titusville.

154. CHURCH RUN PARK - SITE NUMBER 72

There is an excellent opportunity to develop a park adjacent to the dam to be constructed on Church Run near Titusville.

155. FAIRVIEW PARK - SITE NUMBER 73

This measure is for the development of a township park around the permanent pool on site PA-491 in the Little Shenango Watershed.

156. BURNS CAMPGROUND - CANCELLED

157. DEVELOPING PEW HISTORICAL AREA - SITE NUMBER 74

This measure is for the preservation and development of the original Pew homestead for its historical significance.

158. SHARPSVILLE LITTLE LEAGUE COMPLEX - SITE NUMBER 75 - COMPLETED

159. OVERLOOK AT EMLENTON - SITE NUMBER 76

This measure is for the development of an overlook on the Allegheny River Gorge on Route 80 near Emlenton.

160. ESTABLISH SNOWMOBILE TRAILS ON MARGINAL OR IDLE LAND

This measure is for the development of snowmobile trails on idle or marginal land in Erie County.

161. RECREATIONAL DEVELOPMENT OF MERCER COUNTY STREAMS

An inventory of streams that have recreational opportunities is needed. After development of such an inventory, priorities can then be set for the streams that need improvement.

162. NATIONAL CHRISTMAS TREE 1978 - CANCELLED

163. ALLEGHENY CANOE COURSE

The Allegheny River and its tributaries, especially French Creek and Sandy Creek, offer an excellent opportunity to develop a canoe trail. A study of these streams is needed in order to determine the location of rapids, hazards, portages, access areas, and camping sites.

164. PINE TOWNSHIP RECREATION AREA - SITE NUMBER 77

Technical and financial assistance are needed to complete this township park or recreation area.

- TO IMPROVE OUR COMMUNITY ENVIRONMENT

A. ORIGINAL MEASURES

51. POLLUTION ABATEMENT - OTTER AND SANDY CREEKS - COMPLETED

52. POLLUTION ABATEMENT - TWOMILE

This measure is for the elimination of the flow of raw sewage into Twomile Run in Venango County.

53. REMOVAL OF TREES WHICH HAVE FALLEN INTO STREAMS - CANCELLED

54. KEYSTONE DEVELOPMENT - SITE NUMBER 12

This measure is for the commercial development of an area around the interchange at the junction of I-80 and U. S. 19 about 3 miles south of Mercer.

55. LONDON INTERCHANGE - SITE NUMBER 13

Originally this measure was for the engineering and technical services for the drainage of the London Interchange on I-79 in Mercer County. Since then, this measure is underway

56. COMPREHENSIVE LAND USE PLANNING

The purpose of this measure is to complete the development of sound comprehensive land use plans for the project area.

57. TRANSPORTATION STUDY - COMPLETED

58. SHOPPING CENTER DEVELOPMENT (FRANKLIN & OIL CITY) - SITES NUMBER 22

This measure is for the construction of 2 shopping centers to provide for the needs of the residents of Franklin and Oil City in Venango County.

59. RESTORATION OF FORT FRANKLIN - SITE NUMBER 23

This measure is for the restoration of Fort Franklin which was the site of a major part of the fighting during the French and Indian War.

60. OIL CITY MOTEL - SITE NUMBER 24 - COMPLETED

61. EXPANDED FEDERAL TRAINING PROGRAM - COMPLETED

62. IMPROVE THE COUNTY APPEARANCE

The purpose of this measure is to plan and carry out an educational program which will encourage residents to improve the general appearance of the county.

63. ROADSIDE PICNIC TABLES

This measure is for the placement of picnic facilities (tables, parking, and trash containers) at approximately 10-mile intervals along PA Routes 8, 18, U.S. Route 322, and Routes I-79 and I-80.

64. KEYSTONE ORDINANCE WORKS - SITE NUMBER 31 - COMPLETED

65. SENECA INDUSTRIAL PARK - SITE NUMBER 32

This measure is for the development of an industrial park of approximately 50 acres in size at Seneca near Oil City in Venango County.

66. INTERCHANGE INDUSTRIAL PARK DEVELOPMENTS - SITES NUMBER 33

This measure is for the development of 3 industrial parks near interstate route interchanges at West Middlesex, U. S. 19 and London in Mercer County.

67. INDUSTRIAL PARK EXPANSION - SITES NUMBER 34

This measure is for the expansion of three industrial parks - Grove City, Shenango Valley and Reynolds.

68. MUNICIPAL SEWAGE FACILITIES - HICKORY AND HEMPFIELD TOWNSHIPS

This measure is for the expansion of Hickory and Hempfield Townships sewage facilities into the urbanizing areas of these townships.

69. CLINTONVILLE MUNICIPAL SEWAGE - SITE NUMBER 35

A municipal sewage disposal system is needed for the Clintonville community in southwest Venango County.

70. CLINTONVILLE MUNICIPAL WATER - SITE NUMBER 35

This measure is for the development of a municipal water system and is closely related to measure number 69.

71. FRANKLIN MOTOR LODGE - SITE NUMBER 36 - COMPLETED

72. CONVENTION FACILITY - SITE NUMBER 37 - COMPLETED

73. POLLUTION ABATEMENT - SOUTH SANDY AND HAGGERTY RUNS

This measure is for a pollution abatement program to eliminate the acid mine-water drainage on both of these runs.

74. POLLUTION ABATEMENT - PITHOLE CREEK, WEST PITHOLE CREEK, CHERRY RUN AND LOWER TWOMILE RUN

This measure is for the abatement of oil pollution on these runs.

75. POLLUTION ABATEMENT - McKEE RUN - CANCELLED

76. POLLUTION ABATEMENT LABORATORY - CANCELLED

77. THE EARLY COMPLETION OF INTERSTATE ROUTES 79 AND 80 - COMPLETED

78. FRENCH CREEK INDUSTRIAL PARK DEVELOPMENT - SITE NUMBER 39

The purpose of this measure is for the establishment of an industrial park development along French Creek in the vicinity of Meadville.

79. CONSTRUCTION OF NEW ROUTE 27

This measure is for the realignment and widening of PA Route 27 between Meadville and Titusville.

80. IMPROVEMENT OF ROUTE 8

This measure is for the improvement of Route 8 between the Barkeyville Interchange on I-80 and the interchange on I-90.

81. EMLENTON EAST - CRANBERRY HIGHWAY

This measure is for the construction of a new highway between the Emlenton Interchange and East Cranberry.

82. ROADSIDE RESTS - SITES NUMBER 40

This measure was for the construction of a roadside rest at the summit of Pecan Hill on Route 8 in Venango County.

83. POLLUTION ABATEMENT - FRENCH CREEK

Raw sewage is being discharged into French Creek. This measure is for the elimination of this situation.

84. TRAINING AIDS CENTER - COMPLETED

85. ESTABLISHMENT OF TECHNICAL SCHOOLS - SITES NUMBER 41

This measure is for the establishment of a vo-tech school in each county.

86. GRADUATE COLLEGE TRAINING

This measure is for the establishment of a graduate level training program at a local college.

87. SHARON COMMUNITY COLLEGE (SHENANGO VALLEY CAMPUS) - SITE NUMBER 42 - COMPLETED

B. PROJECT MEASURES ADDED SINCE 1964

165. RURAL FIRE PROTECTION - MERCER COUNTY

This measure is for the installation of dry fire hydrants on several potential dam sites within East Lackawannock Township.

166. LATONKA HOMES - SITE NUMBER 43

Planning assistance needs to be provided to the landowners for the orderly development of private lots within this summer-home complex.

167. THIEL COLLEGE BIOLOGICAL CENTER - CANCELLED

168. CRITICAL AREA PLANTING

This measure is for the planting of critical areas, such as strip-mine spoil, bare areas resulting from construction, tot lots, stream banks and similar areas which produce sediment throughout the project area.

169. JAMESTOWN SEWAGE SYSTEM- SITE NUMBER 78 - COMPLETED

170. LINESVILLE SEWAGE SYSTEM - SITE NUMBER 79 - COMPLETED

171. PENN SOIL CONSERVATION EDUCATION CENTER - SITE NUMBER 80

This measure is for the completion of the conservation education center now underway near Sandy Lake in Mercer County.

172. WOLF CREEK BEAUTIFICATION AND DEVELOPMENT - SITE NUMBER 81
- This project involves the cleanup of Wolf Creek in the Borough of Grove City.
173. TOWNSHIP ACTION PROGRAM - CANCELLED
174. COCHRANTON OUTDOOR LABORATORY - SITE NUMBER 82
- This measure is for the establishment of an outdoor education laboratory on property owned by the Cochran School District.
175. JOHNSTON HISTORICAL TAVERN - SITE NUMBER 83 - COMPLETED
176. FREDONIA SEWAGE SYSTEM - SITE NUMBER 84
- This measure is for the completion of a centralized sewage system for the small community of Fredonia.
177. MERCER 4-H PARK - SITE NUMBER 85
- This site is being developed by citizens of Mercer County as a 4-H park.
178. GREEN THUMB PROGRAM
- This measure provides employment opportunities to senior citizens and has been expanded to include all four counties.
179. CLINCH-TITE POLLUTION ABATEMENT - SITE NUMBER 86 - COMPLETED
180. LINESVILLE HOUSING - SITE NUMBER 87 - COMPLETED
181. IMPROVED LIBRARY FACILITIES
- There is a need to improve library facilities within the project area.
182. SOLID WASTE DISPOSAL
- There is a need to develop feasible and economical methods of disposing of solid wastes within the area. This measure is for the carrying out of studies which will help determine the most feasible method of solving this problem.
183. SEDIMENT CONTROL ORDINANCES
- This measure is for the development and enactment of sediment control ordinances for many of the communities within the project area.

184. FLOOD PLAIN ZONING

There is a need within the project area to limit development on flood plains and to prevent encroachment on streams especially below structures.

185. MOSQUITO CONTROL STUDY

There is a heavy infestation of mosquitos within the project area. This measure is for a study of methods of controlling these mosquito breeding areas.

186. HIGHWAY IMPROVEMENT - ROUTE 358

There is a need to improve highway Route 358 from the intersection of I-79 west to Greenville.

187. SCRUBGRASS CREEK WATERSHED ASSOCIATION

This measure is for the establishment of a watershed association to help eliminate some of the acid mine-water pollution within this watershed.

188. SHENANGO RIVER BEAUTIFICATION - COMPLETED

189. MERCER BOG - SITE NUMBER 88

This measure is for the development of a natural glacial bog located southwest of Mercer near Route 318 as an outdoor biological study area.

190. PLANTING TREES FOR LANDSCAPE IMPROVEMENT AND NOISE POLLUTION ABATEMENT

This measure is to improve the aesthetics of the area by planting evergreens to improve the landscape, especially during the winter months.

191. CONSERVATION EDUCATION BROCHURE - COMPLETED

192. CONSERVATION INFORMATION CENTER - SITE NUMBER 89

This measure is for the establishment of a conservation information center at the Kennedy Christian High School in Sharon.

193. TITUSVILLE OUTDOOR LABORATORY - SITE NUMBER 90

An area owned by a local school teacher is proposed for development as an outdoor education laboratory for the Titusville School District.

194. RURAL FIRE PROTECTION - TOWNVILLE - SITE NUMBER 91

A study is needed to determine methods of providing fire protection for this rural community.

195. MINI FOREST

This proposal is aimed at providing trees and shrubs to small lot owners in urbanizing areas.

196. PROVIDE RURAL WATER AND SANITARY FACILITIES

The purpose of this measure is to provide adequate rural water supplies and sanitary facilities to the many rural communities throughout the project area.

197. INSTALL POND SAFETY SIGNS AND EQUIPMENT

This measure is for the providing of safety information and safety signs for the marking of ponds. This measure also will provide some funds toward the purchase of adequate rescue equipment at these pond sites.

198. INSTALL HYDRANTS IN FARM PONDS - ERIE COUNTY

There is an inadequate or inaccessible water supply in most of rural Erie County for fighting fires. This measure would propose to install hydrants in ponds for fire fighting purposes.

199. ESTABLISH DEMONSTRATION WOODLOTS ON SCHOOL DISTRICT PROPERTIES

This measure is for the establishment of small woodlots on school properties within Erie County for conservation education purpose .

200. DISTRIBUTION OF TREE SEEDLINGS - ERIE COUNTY

The purpose of this project is to provide tree seedlings in small quantities for general aesthetics and conservation.

201. STREAM EROSION AND SEDIMENTATION STUDY IN THE LAKE ERIE BASIN

There is a need to reduce sediment and the other pollutants it carries from flowing into Lake Erie. This proposal is to study the sources of sediment.

202. LAGOONS FOR SEWAGE DISPOSAL

Many small communities in the area are in need of centralized sewage disposal systems, but are unable to afford treatment plants. This measure is for the construction of sewage lagoons in these small rural communities.

203. PROMOTE OUTDOOR EDUCATION LABORATORIES - VENANGO COUNTY - SITES NUMBER 92

This measure is for the establishment of outdoor laboratories at Twomile Park and the Cranberry Elementary School in Venango County.

204. ESTABLISH CROWN VETCH PLOT - SITE NUMBER 50

There is a need to provide crownvetch to landowners for erosion control. This measure would establish a two-acre plot at Twomile Park in Venango County for this purpose.

205. PROMOTE ENVIRONMENTAL UNDERSTANDING AND IMPROVEMENT

This proposal is for the acceleration and an educational program for this purpose.

206. AN EDUCATIONAL PROGRAM TO IMPROVE POLLUTION CONTROL METHODS

Farmers and farm product processors need to develop an understanding of the effects of their operations upon the pollution on life and new technology which might reduce pollution and improve the environment.

207. PROMOTE AN EDUCATIONAL PROGRAM ON SAFETY

Individuals, families and groups need to be aware of the cause of the many accidents that occur around the home, on the farm, and on the highway; and what to do to reduce the number and severity of these accidents.

208. AN EDUCATIONAL PROGRAM TO DEVELOP A BETTER RURAL-URBAN UNDERSTANDING

This measure is for the development of farm-city type activities which will involve rural-urban cooperative efforts to foster increased understanding of mutual interdependence.

209. TOPOGRAPHIC SURVEY

This measure is for the updating of the topographic survey maps for Cambridge Springs, Union City and Corry Quadrangles.

210. GROVE CITY INTERCHANGE - SITE NUMBER 93

This measure is for an I-80 interchange on Route 173 north of Grove City.

211. CAMPBELL'S HOUSING DEVELOPMENT - SITE NUMBER 94

This measure is for the development of a housing project for the elderly in New Wilmington.

212. PENN SOIL EROSION AND SEDIMENT HANDBOOK

This measure is for the developing of an Erosion and Sediment Control Handbook for the use of the municipalities throughout the project area in developing local erosion and sediment control regulations.

STATUS OF PROJECT MEASURES

Revised Project Measure Number	Project Measure and Site Number	Project Classification Code 1/	Committee Sponsoring of Measure 2/	Applicable County 3/	Current Status				Remarks
					Planning	Operations	Completed	Canceled	
1	ACCELERATED SOIL SURVEY	F-1	Ag	C		x			
2	ACCELERATED CONSERVATION PLANNING	F-1	Ag	C, E, M, V		x			
3	RESOURCE PLANNING ASSISTANCE IN AREAS OF RAPIDLY CHANGING LAND USE	F-1	Ag	C, E, M, V		x			
4	LAND TREATMENT	F-7	Ag	C, E, M, V		x			
5	ACCELERATED STUDY FOR THE UTILIZATION AND MARKETING OF FOREST PRODUCTS	A-8	Wd	C, E, M, V			x		
6	AN EDUCATIONAL PROGRAM TO DEVELOP A BETTER PUBLIC IMAGE OF THE FARMER	F-18	Ag	C, M, V				x	See 208
7	EDUCATIONAL ASSISTANCE TO FARMERS IN EFFECTING THE LEGAL AND ORDERLY TRANS- FER OF FARM FROM FATHER TO SON	F-18	Ag	C, M, V				x	See 97 and 100
8	AN EDUCATIONAL PROGRAM TO ENCOURAGE THE DEVELOPMENT AND USE OF MORE EQUITABLE LEASING AGREEMENTS	F-18	Ag	C, M, V				x	See 97 and 100
9	AN EDUCATIONAL PROGRAM RELATING TO FARM OPERATIONS	F-18	Ag	C, M, V				x	See 100

STATUS OF PROJECT MEASURES

Revised Project Measure Number	Project Measure and Site Number	Project Classification Code 1/ County 2/ County 3/	Committee Sponsoring of Measure 2/ County 3/	Current Status				Remarks
				Planning	Operations	Completed	Canceled	
10	A STUDY RELATING TO THE POSSIBILITIES OF GROWING SPECIALIZED CROPS	F-18	Ag				x	See 98
11	AN EDUCATIONAL PROGRAM TO SHOW THE VALUE OF IMPROVED FARM MANAGEMENT	F-18	Ag				x	See 97 and 100
12	AN EDUCATIONAL PROGRAM TO SHOW THE VALUE OF EFFICIENT FARM BUILDINGS	F-18	Ag				x	See 97 and 100
13	AN EDUCATIONAL PROGRAM TO ENCOURAGE THE WIDER USE OF A COMPLETE SOIL TESTING PROGRAM	F-18	Ag				x	See 97 and 100
14	AN EDUCATIONAL PROGRAM TO ACQUAINT COUNTY RESIDENTS AS TO THE USE AND VALUE OF THE SOIL SURVEY REPORT	F-18	Ag					
15	WATERSHED PROTECTION AND FLOOD PREVENT- ION (PL-566 PROJECTS) - SITES 1-6	C-6	WA					
16	FRENCH CREEK FLOOD CONTROL - SITES 7-9	C-5	Wa					
17	NEW WILMINGTON DEVELOPMENT - SITE 11	C-6	Wa					
18	SENECA LAKE	C-5	Wa					

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Revised Project Measure Number	Project Measure and Site Number	Project Classification Code 1/	Committee Sponsoring of Measure 2/	Applicable County 3/	Current Status				Remarks
					Planning	Operations	Completed	Canceled	
19	LAKE-SIDE HOUSING DEVELOPMENT - SITE 14	B-6	Wa	M			x		
20	OTTER CREEK DEVELOPMENT	B-6	Wa	M				x	
21	CONNEAUT LAKE NO. 2	C-5	Wa	C				x	
22	CUSSEWAGO LAKE - SITE 16	C-6	Wa	C	x				
23	CRANBERRY LAKE	C-6	Wa	V				x	
24	ALLEGHENY RIVER FABRI	C-5	Wa	V				x	
25	CHUBB RUN FLOOD PROTECTION	C-5	Wa	V				x	
26	SUGAR LAKE IMPROVEMENTS	C-6	Wa	C				x	
27	SPARTANSBURG LAKE - SITE 17	C-6	Wa	C	x				
28	LITTLE SUGAR CREEK LAKE	C-6	Wa	C				x	
29	A STUDY OF IMPOUNDMENT DEVELOPMENT IN CONJUNCTION WITH HIGHWAY CON- STRUCTION	C-6	Wa	C, M, V				x	
30	LAKE HANNAVILLE	C-6	Rec	V				x	

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					Planning	Operations	Completed	Canceled	
31	CROSS CREEK LAKE	C-6	Rec	V				x	
32	CROOKED CREEK WATERFOWL DEVELOPMENT - SITE 10	C-4	Rec	C			x		
33	ERIE NATIONAL WILDLIFE REFUGE - SITE 15	C-4	Rec	C		x			
34	SUGAR CREEK RECREATION AREA	C-4	Rec	V				x	
35	WATERFOWL MARSH DEVELOPMENT - SITE 18	C-4	Rec	C	x				
36	WOLF CREEK WATERFOWL MARSH DEVELOPMENT	C-4	Rec	M				x	
37	WILDLIFE MARSHES - SITES 19	C-4	Rec	C, M		x			
38	PYMATUNING STATE PARK - SITE 20	B-3	Rec	C		x			
39	SHENANGO RESERVOIR, RECREATION AREA - SITE 21	B-3	Rec	M		x			
40	VACATION BROCHURE	B-3	Rec	C, E, M, V			x		
41	MARKING OF GEORGE WASHINGTON TRAIL	B-9	Rec	C, V		x			
42	TOURIST PROMOTION AGENCY	B-3	Rec	C, E, M, V		x			

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Revised Project Measure Number	Project Measure and Site Number	Project Classification Code 1/	Committee Sponsoring of Measure 2/	Applicable County 3/	Current Status				Remarks
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43	PINE GROVE GOLF COURSE EXPANSION-SITE 25	B-3	Rec	M		x			
44	GOLF COURSE CONSTRUCTION - SITE 26	B-3	Rec	M			x		
45	SANDY LAKE STATE PARK (MAURICE GODDARD STATE PARK) - SITE 27	B-3	Rec	M		x			
46	OIL CREEK VALLEY STATE PARK - SITE 28	B-3	Rec	C		x			
47	MERCER COUNTY RECREATION DIRECTOR	B-19	Rec	M	x				
48	WINTER SPORTS CENTERS - SITES 29	B-3	Rec	C,M,V		x			
49	SHOOTING PRESERVE - SITE 30	B-4	Rec	C,M,V			x		
50	ALLEGHENY GORGE STATE PARK - SITE 38	B-3	Rec	V	x				
51	POLLUTION ABATEMENT - OTTER AND SANDY CREEKS	B-19	En	M			x		
52	POLLUTION ABATEMENT - TWOMILE	B-19	En	V	x				
53	REMOVAL OF TREES WHICH HAVE FALLEN INTO STREAMS	B-19	Wa	V				x	
54	KEYSTONE DEVELOPMENT - SITE 12	B-14	Ru	M		x			

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					Planning	Operations	Completed	Canceled	
55	LONDON INTERCHANGE - SITE 13	B-114	Ru	M		x			
56	COMPREHENSIVE LAND USE PLANNING	F-8	Ru	C, E, M, V		x			
57	TRANSPORTATION STUDY	B-8	Ru	M			x		
58	SHOPPING CENTER DEVELOPMENT (FRANKLIN AND OIL CITY) - SITES 22	B-114	Ru	V		x			
59	RESTORATION OF FORT FRANKLIN - SITE 23	B-18	Ed	V	x				
60	OIL CITY MOTEL - SITE 24	B-114	Ru	V			x		
61	EXPANDED FEDERAL TRAINING PROGRAM	B-18	Ed	C, M, V			x		
62	IMPROVE THE COUNTY APPEARANCE	B-17	Ru	C, M, V		x			
63	ROADSIDE PICNIC TABLES	B-13	Ru	C, E, M, V		x			
64	KEYSTONE ORDINANCE WORKS - SITE 31	B-114	Ru	C			x		
65	SENECA INDUSTRIAL PARK - SITE 32	B-114	Ru	V		x			
66	INTERCHANGE INDUSTRIAL PARK DEVELOPMENTS - SITES 33	B-114	Ru	M		x			

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					Planning	Operations	Completed	Canceled	
67	INDUSTRIAL PARK EXPANSION - SITES 34	B-14	Ru	M		x			
68	MUNICIPAL SEWAGE FACILITIES - HICKORY AND HEMPFIELD TOWNSHIPS	B-13	Ru	M		x			
69	CLINTONVILLE MUNICIPAL SEWAGE - SITE 35	B-16	En	V		x			
70	CLINTONVILLE MUNICIPAL WATER - SITE 35	B-15	En	V		x			
71	FRANKLIN MOTOR LODGE - SITE 36	B-14	Ru	V			x		
72	CONVENTION FACILITY - SITE 37	B-13	Ru	V			x		
73	POLLUTION ABATEMENT - SOUTH SANDY AND HAGGERTY RUNS	D-19	Wa	V		x			
74	POLLUTION ABATEMENT - PITHOLE CREEK, WEST PITHOLE CREEK, CHERRY RUN, AND LOWER TWOMILE RUN	D-19	En	V		x			
75	POLLUTION ABATEMENT - MCKEE RUN	D-19	En	V				x	
76	POLLUTION ABATEMENT LABORATORY	D-19	En	E				x	
77	THE EARLY COMPLETION OF INTERSTATE ROUTES 79 and 80	B-9	Ru	C, E, M, V			x		

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Revised Project Measure Number	Project Measure and Site Number	Project Classification Code 1/	Committee Sponsoring of Measure 2/	Applicable County 3/	Current Status				Remarks
					Planning	Operations	Completed	Canceled	
78	FRENCH CREEK INDUSTRIAL PARK DEVELOPMENT - SITE 39	B-14	Ru	C		x			
79	CONSTRUCTION OF NEW ROUTE 27	B-9	Ru	C	x				
80	IMPROVEMENT OF ROUTE 8	B-9	Ru	C, E, V	x				
81	EMLENTON EAST-CRANBERRY HIGHWAY	B-9	Ru	V	x				
82	ROADSIDE RESTS - SITES 40	B-13	Ru	V		x			
83	POLLUTION ABATEMENT - FRENCH CREEK	B-19	En	V		x			
84	TRAINING AID CENTER	B-13	Ed	C			x		
85	ESTABLISHMENT OF A TECHNICAL SCHOOL - SITES 41	B-13	Ed	C, E, M, V		x			
86	GRADUATE COLLEGE TRAINING	B-18	Ed	C, E, M, V	x				
87	SHARON COMMUNITY COLLEGE (SHENANGO VALLEY CAMPUS) - SITE 42	B-13	Ed	M			x		End of Original Measures
88	STRIP MINE EVALUATION	D-8	Ag	M, V		x			
89	ROAD BANK STABILIZATION	D-8	Ag	C, E, M, V		x			

STATUS OF PROJECT MEASURES

Revised Project Measure Number	Project Measure and Site Number	Project Classification Code 1/ _____	Committee Sponsoring of Measure 2/ _____	Applicable County 3/ _____	Current Status				Remarks
					Planning	Operations	Completed	Canceled	
90	ESTABLISH LAND IMPROVEMENT CONTRACTORS' ASSOCIATION	E-7	Ag	C, E, M, V			x		
91	PROMOTE MINIMUM TILLAGE	E-7	Ag	C, E, M, V		x			
92	STREAM BANK STABILIZATION - OIL CREEK	D-7	Ru	C		x			
93	MARKETING OF POLE TIMBER	A-11	Wd	V	x				
94	FORESTRY EDUCATION AND INFORMATION PROGRAM	F-18	Wd	C, E, M, V	x				
95	AGRICULTURAL WASTE DISPOSAL	E-19	Ag	C, E, M, V		x			
96	PRESERVATION OF FLOOD PLAINS, NATURAL WATERWAYS AND HILLSIDES	E-8	Ru	V	x				
97	EDUCATIONAL ASSISTANCE TO FARMERS IN MAKING FARM DECISIONS	F-18	Ag	C, E, M, V		x			
98	NEW OPPORTUNITIES IN AGRICULTURAL ENTERPRISE	F-18	Ag	C, E, M, V		x			
99	AN EDUCATIONAL PROGRAM TO SHOW THE VALUE OF EFFICIENT FARM BUILDING	F-18	Ag	C, E, M, V		x			

STATUS OF PROJECT MEASURES

Revised Project Measure Number	Project Measure and Site Number	Project Classification Code 1/	Committee Sponsoring of Measure 2/	Applicable County 3/	Current Status				Remarks
					Planning	Operations	Completed	Canceled	
100	AN EDUCATIONAL PROGRAM TO ENCOURAGE WIDE USE OF MODERN MANAGEMENT TOOLS TO IMPROVE FARM INCOME	F-18	Ag	C, E, M, V		x			
101	FORESTRY TECHNICIAN	F-1	Wd	C, E, M, V	x				
102	SEDIMENT CONTROL IN HARVEST CUTTING	E-7	Wd	C, E, M, V		x			
103	LAKE LATONKA - SITE 43	B-3	Wa	M			x		
104	OIL MILL RUN - SITE 44	C-6	Wa	M	x				
105	PRAIRIE RUN - EAST SANDY CREEK	C-6	Wa	V	x				
106	CONNEAUT LAKE - THATCHER RUN	C-6	Wa	C				x	
107	POLLUTION ABATEMENT - WOLF CREEK	D-19	En	M		x			
108	STUDY OF STRIP-MINE POOLS	B-8	Wa	M			x		
109	COUNTY STREAM MAP	B-6	Wa	V, C			x		
110	FRENCH CREEK WATERSHED ASSOCIATION	B-6	Wa	C, E, M, V		x			
111	WEST MEADE TOWNSHIP LAKE - SITE 45	B-13	Wa	C	x				

STATUS OF PROJECT MEASURES

Revised Project Measure Number	Project Measure and Site Number	Project Classification Code 1/	Committee Sponsoring of Measure 2/	Applicable County 3/	Current Status				Remarks
					Planning	Operations	Completed	Canceled	
112	SHENANGO RIVER WATERSHED ASSOCIATION	B-6	Wa	M, C	x				
113	NESHANNOCK WATERSHED ASSOCIATION	B-6	Wa	M		x			
114	SLIPPERY ROCK WATERSHED ASSOCIATION	B-6	Wa	M, V		x			
115	NESHANNOCK CREEK	C-6	Wa	M	x				
116	HEMLOCK CREEK	B-19	Wa	V		x			
117	PINE RUN - SHARON	C-19	Wa	M	X				
118	PINE RUN IMPROVEMENT - NESHANNOCK	D-6	Wa	M	x				
119	SAUL-MATHAY STREAM IMPROVEMENT - SITE 46	C-6	Wa	M	x				
120	STREAM MONITORING	B-8	Wa	E		x			
121	MULTI-PURPOSE RESERVOIR EAST BRANCH LEBOEUF CREEK - SITE 47	C-6	Wa	E	x				
122	UNION CITY RECREATION RESERVOIR - SITE 48	C-6	Wa	E		x			
123	SIXMILE CREEK - RESERVOIR HARBORCREEK - SITE 49	C-6	Wa	E	x				

STATUS OF PROJECT MEASURES

Revised Project Measure Number	Project Measure and Site Number	Project Classification Code 1/	Committee Sponsoring of Measure 2/	Applicable County 3/	Current Status				Remarks
					Planning	Operations	Completed	Canceled	
124	PINE CREEK STREAM IMPROVEMENT - TITUS-VILLE	C-4	Wa	C		x			
125	HORSE CREEK WATERSHED RESTORATION	D-19	Wa	V	x				
126	HALLS RUN	D-19	Wa	V	x				
127	STREAM SEDIMENT STUDY - CRAWFORD	D-8	Wa	C		x			
128	YELLOW CREEK RESTORATION	D-19	Wa	M	x				
129	TWOMILE RUN LAKE - SITE 50	C-5	Rec	V		x			
130	GREENVILLE PARK DEVELOPMENT - SITE 51	B-3	Rec	M	x				
131	OAK TREE GOLF COURSE - SITE 52	B-3	Rec	M			x		
132	FISH FOR FUN - NESAHNNOCK - SITE 53	C-3	Rec	C		x			
133	CAMBRIDGE PARK - SITE 54	B-13	Ed	C	x				
134	PALUMBO'S PAR 3 GOLF COURSE - SITE 55	B-3	Rec	M			x		
135	FARRELL TOT LOT - SITE 56	B-3	Rec	M			x		
136	LINDY'S RECREATION AREA - SITE 57	B-3	Rec	M		x			

STATUS OF PROJECT MEASURES

Revised Project Measure Number	Project Measure and Site Number	Project Classification Code 1/	Committee Sponsoring of Measure 2/	Applicable County 3/	Current Status				Remarks
					Planning	Operations	Completed	Canceled	
137	FARMA CAMPGROUND - SITE 58	B-3	Rec	M			x		
138	NESHANNOCK RECREATION AREA - SITE 59	B-3	Rec	M		x			
139	TOUR MAP	B-9	Rec	C, V		x			
140	CRAWFORD PARK - SITE 60	B-3	Rec	C	x				
141	RECREATION POTENTIAL STUDY	E-8	Rec	C, E, M, V		x			
142	CARRIER'S CAMPGROUND - SITE 61	B-3	Rec	M	x				
143	CRANBERRY SWAMP - SITE 62	E-4	Rec	M		x			
144	TWOMILE RUN COUNTY PARK - SITE 50	E-3	Rec	V		x			
145	SCHOLLARDS RUN WETLAND - SITE 63	E-4	Ed	M		x			
146	JEFFERSON PARK - SITE 64	B-3	Rec	M		x			
147	HEMPFIELD TOWNSHIP PARK - SITE 65	B-3	Rec	M		x			
148	BRANDY SPRINGS PARK - SITE 66	B-3	Rec	M		x			
149	GUYASUTA BOY SCOUT CAMP - SITE 67	E-3	Ed	M		x			

STATUS OF PROJECT MEASURES

Revised Project Measure Number	Project Measure and Site Number	Project Classification Code 1/	Committee Sponsoring of Measure 2/	Applicable County 3/	Current Status				Remarks
					Planning	Operations	Completed	Canceled	
150	CONNEAUTVILLE OUTDOOR LABORATORY-SITE 68	B-18	Ed	C		x			
151	MEADVILLE PARK DEVELOPMENT - SITE 69	B-3	Rec	C	x				
152	VERNON TOWNSHIP PARK DEVELOPMENT-SITE 70	B-3	Rec	C	x				
153	BURGESS PARK DEVELOPMENT - SITE 71	B-3	Rec	C		x			
154	CHURCH RUN PARK - SITE 72	B-3	Rec	C	x				
155	FAIRVIEW PARK - SITE 73	B-3	Rec	M	x				
156	BURNS CAMPGROUND	B-3	Rec	M				x	
157	DEVELOPING PEW HISTORICAL AREA-SITE 74	B-18	Rec	M	x				
158	SHARPSVILLE LITTLE LEAGUE COMPLEX - SITE 75	B-3	Rec	M			x		
159	OVERLOOK AT EMLENTON - SITE 76	B-9	Rec	V	x				
160	ESTABLISH SNOWMOBILE TRAILS ON MARGINAL OR IDLE LAND	B-3	Ag	E	x				
161	RECREATIONAL DEVELOPMENT OF MERCER COUNTY STREAMS	B-3	Rec	M	x				

STATUS OF PROJECT MEASURES

Revised Project Measure Number	Project Measure and Site Number	Project Classification Code 1/	Committee Sponsoring of Measure 2/	Applicable County 3/	Current Status				Remarks
					Planning	Operations	Completed	Canceled	
162	NATIONAL CHRISTMAS TREE - 1978	B-3	Wd	C, E, M, V				x	
163	ALLEGHENY CANOE COURSE	B-3	Rec	V		x			
164	PINE TOWNSHIP RECREATION AREA - SITE 77	B-3	Rec	M	x				
165	RURAL FIRE PROTECTION	B-13	En	C, M, V		x			
166	LATONKA HOMES - SITE 43	B-3	Ru	M		x			
167	THIEL COLLEGE BIOLOGICAL CENTER	B-8	Rec	M				x	
168	CRITICAL AREA PLANTING	D-7	En	E, M, V		x			
169	JAMESTOWN SEWAGE SYSTEM - SITE 78	B-16	En	M			x		
170	LINESVILLE SEWAGE SYSTEM - SITE 79	B-16	En	C			x		
171	PENN SOIL CONSERVATION EDUCATION CENTER SITE 80	B-18	Ed	M		x			
172	WOLF CREEK BEAUTIFICATION AND DEVELOP- MENT - SITE 81	E-17	Wa	M		x			
173	TOWNSHIP ACTION PROGRAM	B-3	Ag	C, M, V				x	

STATUS OF PROJECT MEASURES

Revised Project Measure Number	Project Measure and Site Number	Project Classification Code 1/	Committee Sponsoring of Measure 2/	Applicable County 3/	Current Status				Remarks
					Planning	Operations	Completed	Canceled	
174	COCHRANTON OUTDOOR LABORATORY - SITE 82	B-13	Ed	C	x				
175	JOHNSTON HISTORICAL TAVERN - SITE 83	B-18	Ed	M			x		
176	FREDONIA SEWAGE SYSTEM - SITE 84	B-16	En	M		x			
177	MERCER 4-H PARK - SITE 85	B-18	Ed	M		x			
178	GREEN THUMB PROGRAM	F-13	En	C, M, V		x			
179	CLINCH-TITE POLLUTION ABATEMENT-SITE 86	B-19	En	M			x		
180	LINESVILLE HOUSING - SITE 87	B-13	Ru	C		x			
181	IMPROVED LIBRARY FACILITIES	B-13	Ru	C, E, M, V		x			
182	SOLID WASTE DISPOSAL	B-13	En	C, E, M, V		x			
183	SEDIMENT CONTROL ORDINANCES	E-7	Ru	C, E, M, V	x				
184	FLOOD PLAIN ZONING	E-19	Ru	C, V, M		x			
185	MOSQUITO CONTROL STUDY	B-8	En	C, E, M, V	x				
186	HIGHWAY IMPROVEMENT - ROUTE 358	B-9	En	M	x				

STATUS OF PROJECT MEASURES

Revised Project Measure Number	Project Measure and Site Number	Project Classification Code 1/	Committee Sponsoring of Measure 2/	Applicable County 3/	Current Status				Remarks
					Planning	Operations	Completed	Canceled	
187	SCRUBGRASS CREEK WATERSHED ASSOCIATION	B-6	Ru	V		x			
188	SHENANGO RIVER BEAUTIFICATION	B-17	En	M			x		
189	MERCER BOG - SITE 88	B-18	En	M	x				
190	PLANTING TREES FOR LANDSCAPE IMPROVE- MENT AND NOISE POLLUTION ABATEMENT	E-17	Ag	M	x				
191	CONSERVATION EDUCATION BROCHURE	B-18	Ed	E			x		
192	CONSERVATION INFORMATION CENTER-SITE89	B-18	En	M		x			
193	TITUSVILLE OUTDOOR LABORATORY - SITE 90	B-18	Ed	C		x			
194	RURAL FIRE PROTECTION - TOWNVILLE SITE 91	B-8	En	C	x				
195	MINI FOREST	E-7	En	M		x			
196	PROVIDE RURAL WATER AND SANITARY FACILI- TIES	B-16	En	C, E, M, V		x			
197	INSTALL POND SAFETY SIGNS AND EQUIPMENT	B-18	Rec	E		x			
198	INSTALL HYDRANTS IN FARM PONDS - ERIE CO	E-13	Ag	E		x			

STATUS OF PROJECT MEASURES

Revised Project Measure Number	Project Measure and Site Number	Project Classification Code 1/	Committee Sponsoring of Measure 2/	Applicable County 3/	Current Status				Remarks
					Planning	Operations	Completed	Canceled	
199	ESTABLISH DEMONSTRATION WOODLOTS ON SCHOOL DISTRICT PROPERTIES	B-18	Wd	E		x			
200	DISTRIBUTION OF TREE SEEDLINGS	E-7	Wd	E		x			
201	STREAM EROSION AND SEDIMENTATION STUDY IN THE LAKE ERIE BASIN	E-8	En	E	x				
202	LAGOONS FOR SEWAGE DISPOSAL	B-16	En	V	x				
203	PROMOTE OUTDOOR EDUCATION LABORATORIES - VENANGO COUNTY - SITES 92	B-18	Ed	V	x				
204	ESTABLISH CROWN VETCH PLOT - SITE 50	E-7	En	V			x		
205	PROMOTE ENVIRONMENTAL UNDERSTANDING AND IMPROVEMENT	F-18	En	C, E, M, V		x			
206	AN EDUCATIONAL PROGRAM TO IMPROVE POLLUTION CONTROL METHODS	F-18	Ed	C, E, M, V		x			
207	PROMOTE AN EDUCATIONAL PROGRAM ON SAFETY	F-18	Ed	C, E, M, V		x			
208	AN EDUCATIONAL PROGRAM TO DEVELOP A BETTER RURAL-URBAN UNDERSTANDING	F-18	Ed	C, E, M, V		x			

STATUS OF PROJECT MEASURES

Revised Project Measure Number	Project Measure and Site Number	Project Classification Code 1/	Committee Sponsoring of Measure 2/	Applicable County 3/	Current Status				Remarks
					Planning	Operations	Completed	Canceled	
209	TOPOGRAPHIC SURVEY	B-8	En	E	x				
210	GROVE CITY INTERCHANGE - SITE 93	B-8	En	M	x				
211	CAMPBELL'S HOUSING DEVELOPMENT - SITE 94	B-13	En	M	x				
212	PENN SOIL EROSION AND SEDIMENT HANDBOOK	E-19	Ru	C, E, M, V	x				

1/ Coding of Project Measures as to Type and Category for Reporting Purposes

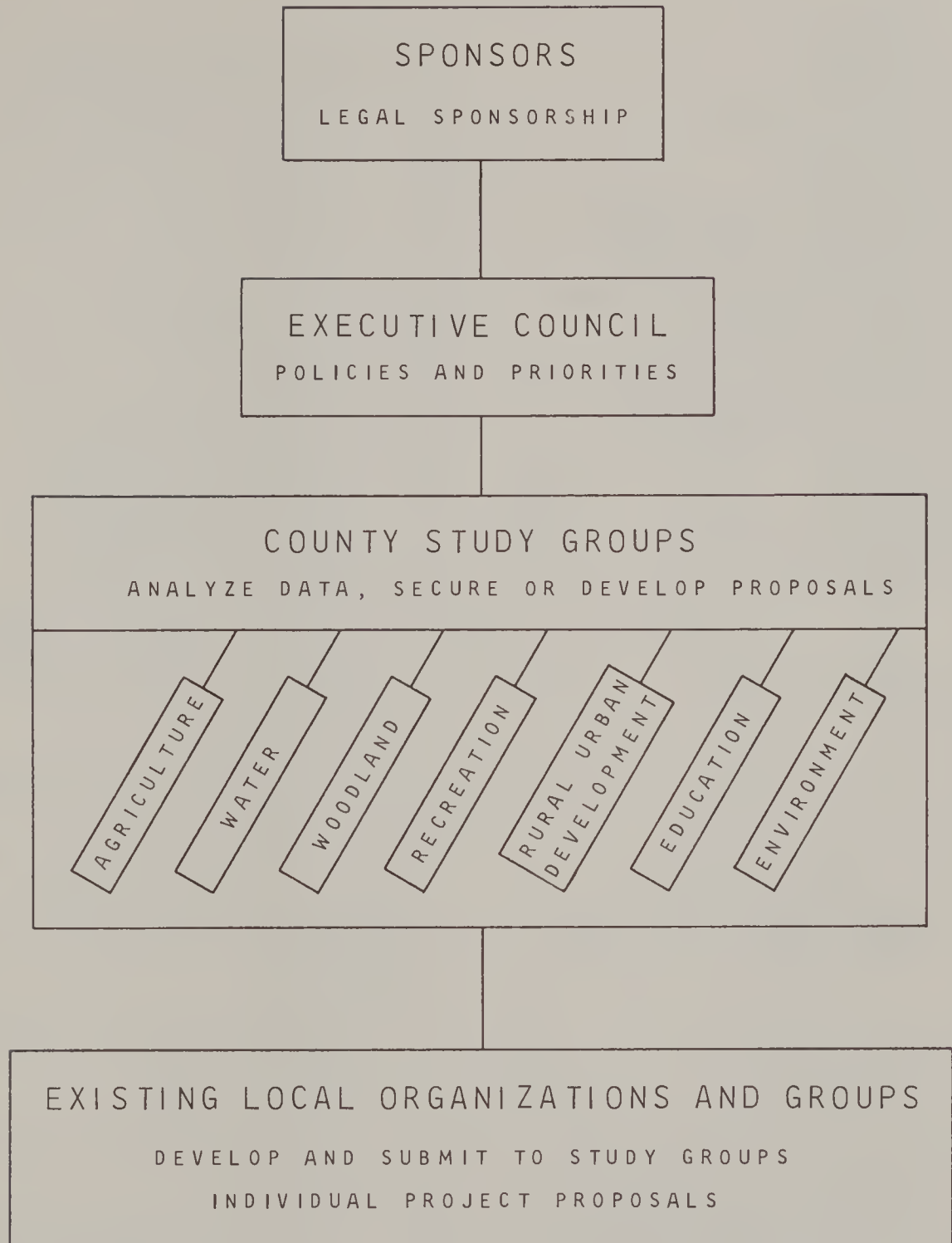
2/

Ag	- Agricultural Committee
Wd	- Woodland Committee
Wa	- Water Committee
Rec	- Recreation Committee
Ru	- Rural-Urban Development Committee
Ed	- Education Committee
En	- Environmental Committee

3/

C	- Crawford County
E	- Erie County
M	- Mercer County
V	- Venango County

PENN SOIL RC&D
ORGANIZATION CHART



SPONSORS: BOARDS OF COUNTY COMMISSIONERS AND SOIL AND
WATER CONSERVATION DISTRICTS IN EACH COUNTY-
4 COUNTIES (36)

EXECUTIVE COUNCIL: 2 SPONSOR MEMBERS PLUS 1 MEMBER
AT LARGE FROM EACH COUNTY (12)

STUDY GROUPS: 10 INDIVIDUALS PER EACH STUDY GROUP PER
COUNTY (280)

PROJECT MEASURE SITE LEGEND

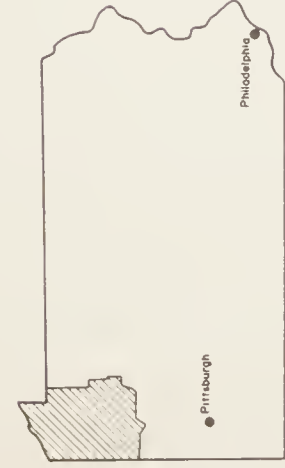
- | | |
|--|--|
| 1. Saul-Mathay Watershed | 48. Union City Recreation Reservoir |
| 2. Mill Run Watershed | 49. Sixmile Creek Reservoir |
| 3. Wolf Creek Watershed | 50. Twomile Run Lake and County Park |
| 4. Little Shenango Watershed | 51. Greenville Community Park Development |
| 5. Oil Creek Watershed | 52. Oak Tree Golf Course |
| 6. Sandy Creek Watershed | 53. Neshannock Creek Fish-For-Fun Project |
| 7. Union City Flood Control Project | 54. Cambridge Park |
| 8. Muddy Creek Flood Control Project | 55. Palumbo's Par 3 Golf Course |
| 9. Woodcock Flood Control Project | 56. Farrell Tot Lot |
| 10. Crooked Creek Waterfowl Development | 57. Lindy's Recreation Area |
| 11. New Wilmington Development | 58. Farma Campground |
| 12. Keystone Development | 59. Neshannock Recreation Area |
| 13. London Interchange Development on I-79 | 60. Crawford Park |
| 14. Lake-Side Housing Development | 61. Carrier's Campground |
| 15. Erie National Wildlife Refuge | 62. Cranberry Swamp |
| 16. Cussewago Lake | 63. Schollards Run Wetland |
| 17. Spartansburg Lake | 64. Jefferson Township Park |
| 18. Waterfowl Marsh Developments | 65. Hempfield Township Park |
| 19. Wildlife Marshes | 66. Brandy Springs Park |
| 20. Pymatuning State Park | 67. Guyasuta Boy Scout Camp |
| 21. Shenango River Reservoir, Recreational Area | 68. Conneautville Outdoor Laboratory |
| 22. Shopping Center Development | 69. Meadville Park Development |
| 23. Fort Franklin Restoration | 70. Vernon Township Park Development |
| 24. Oil City Motel | 71. Burgess Park Development |
| 25. Pine Grove Golf Course | 72. Church Run Park |
| 26. Loreno's Golf Course | 73. Fairview Township Park |
| 27. Maurice Goddard State Park | 74. Pew Historical Area Development |
| 28. Oil Creek Valley State Park | 75. Sharpsville Little League Complex |
| 29. Winter Sports Centers | 76. Overlook at Emlenton |
| 30. Colonel Hunter Shooting Preserve | 77. Pine Township Recreation Area |
| 31. Keystone Ordnance Industrial Park | 78. Jamestown Sewage System |
| 32. Seneca Industrial Park | 79. Linesville Sewage System |
| 33. I-80 Interchange Industrial Park Development | 80. Penn Soil Conservation Education Center |
| 34. Industrial Park Expansion | 81. Wolf Creek Beautification and Development |
| 35. Clintonville Municipal Water and Sewage | 82. Cochran Outdoor Laboratory |
| 36. Franklin Motor Lodge | 83. Johnston Historical Tavern |
| 37. Convention Facility | 84. Fredonia Sewage System |
| 38. Allegheny Gorge State Park | 85. Mercer 4-H Park |
| 39. French Creek Industrial Park Development | 86. Clinch-Tite Pollution Abatement |
| 40. Roadside Rests | 87. Linesville Housing Project |
| 41. Technical School Establishment | 88. Mercer Bog |
| 42. Penn State Center-Shenango Valley Campus | 89. Conservation Information Center |
| 43. Lake Latonka Development | 90. Titusville Outdoor Conservation Laboratory |
| 44. Oil Mill Run | 91. Townville Area Rural Fire Protection |
| 45. West Mead Township Lake | 92. Outdoor Laboratories in Venango County |
| 46. Saul-Mathay Stream Improvement | 93. Grove City Interchange on I-80 |
| 47. East Branch, LeBoeuf Creek Reservoir | 94. Campbell's Housing Development |

RESOURCE MAPS

- GENERAL SOIL MAP
- LAND USE MAP
- WATER RESOURCES MAP
- RECREATION LAND MAP

GENERAL SOIL AREA DESCRIPTIONS

1. CANEADEA-CANADICE ASSOCIATION: Deep, somewhat poorly and poorly drained, fine-textured grayish soils on glacial lake plains.
2. CANFIELD-RAVENNA ASSOCIATION: Deep, moderately well and somewhat poorly drained, yellowish-brown soils on glacial uplands mainly adjacent to stream valleys south of highways 322 and 77.
3. CHENANGO-HOWARD-BRACEVILLE ASSOCIATION: Deep, well and moderately well drained, moderately coarse-textured, brownish soils on glacial stream terraces along the major streams.
4. CONOTTON-MINOA ASSOCIATION: Deep, well to somewhat poorly drained, moderately coarse-textured, brownish soils on the lake plain and beach ridges of Lake Erie.
5. COOKPORT-HAZLETON ASSOCIATION: Deep, well and moderately well drained, yellowish-brown and strong-brown medium-textured soils mainly on sandy residual uplands.
6. ERIE-LANGFORD ASSOCIATION: Somewhat poorly and moderately well drained, grayish and brownish medium-textured soils on limy glaciated uplands mainly in the northwestern part of the area.
7. HAZLETON-GILPIN ASSOCIATION: Well drained, yellowish-brown to strong-brown, medium textured soils on sloping to very steep sandy and shaly residual uplands.
8. CHAGRIN-POPE-HOLLY ASSOCIATION: Well to poorly drained, nearly level soils on flood plains along French Creek, the Allegheny River and other streams in the area.
9. RAVENNA-FRENCHTOWN ASSOCIATION: Somewhat poorly and poorly drained, grayish medium-textured soils on nearly level to gently sloping glaciated uplands mainly in the southwestern part of the area.
10. SHEFFIELD-PLATEA ASSOCIATION: Poorly and somewhat poorly drained, grayish medium-textured silty soils on nearly level glaciated uplands.
11. TITUSVILLE-GRESHAM ASSOCIATION: Moderately well and somewhat poorly drained, yellowish-brown and grayish, medium-textured loamy soils of sloping, old glaciated uplands.
12. WAYLAND-PAPAKATING ASSOCIATION: Poorly and very poorly drained, gray, fine-textured and moderately fine-textured on level flood plains mainly in the southwestern part of the area.
13. WHARTON-GILPIN-CAVODE ASSOCIATION: Well to somewhat poorly drained, grayish to brownish, medium to fine-textured soils of the residual uplands in the southeastern part of the area.



LEGEND

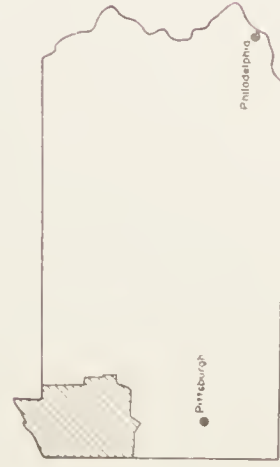
- 10 Completed Measure
- 21 Proposed Measure



PROJECT MEASURE MAP
PENN SOIL RESOURCE CONSERVATION AND DEVELOPMENT PROJECT
CRAWFORD, ERIE, MERCER, AND VENANGO COUNTIES, PENNSYLVANIA

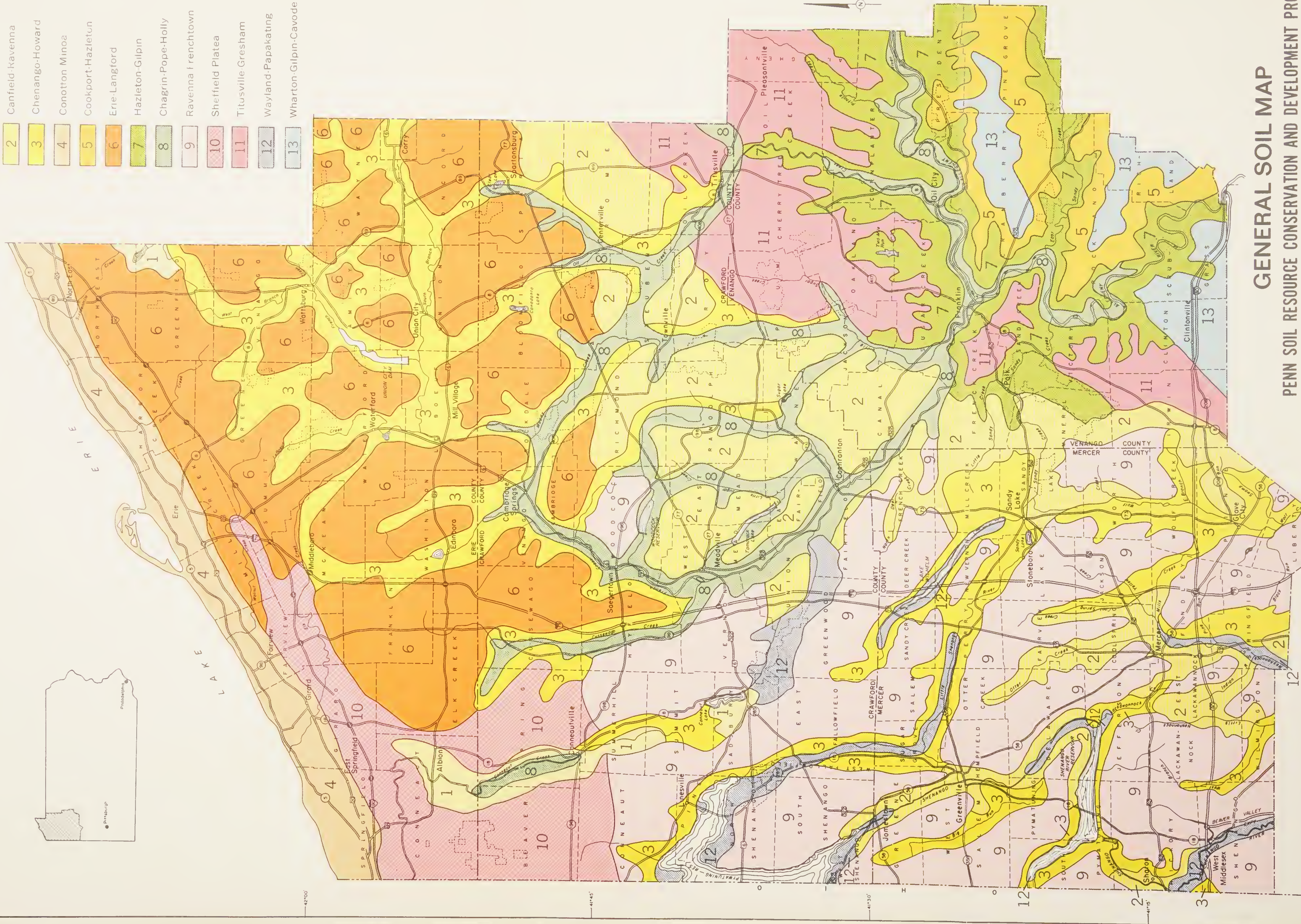
U. S. DEPARTMENT OF AGRICULTURE
79745

SOIL CONSERVATION SERVICE



LEGEND

- | | |
|----|-----------------------|
| 1 | Caneadea Canadice |
| 2 | Canfield-Kavenna |
| 3 | Chenango-Howard |
| 4 | Conotton Minoa |
| 5 | Cookport-Hazleton |
| 6 | Erie-Langford |
| 7 | Hazleton-Gilpin |
| 8 | Chagrin-Pope-Holly |
| 9 | Ravenna Frenchtown |
| 10 | Sheffield Plateau |
| 11 | Titusville Gresham |
| 12 | Wayland-Papakating |
| 13 | Wharton-Gilpin-Cavode |



Scale 1:380 000
2 0 4 8 12 Miles
80°15' 80°00' 79°45'

GENERAL SOIL MAP

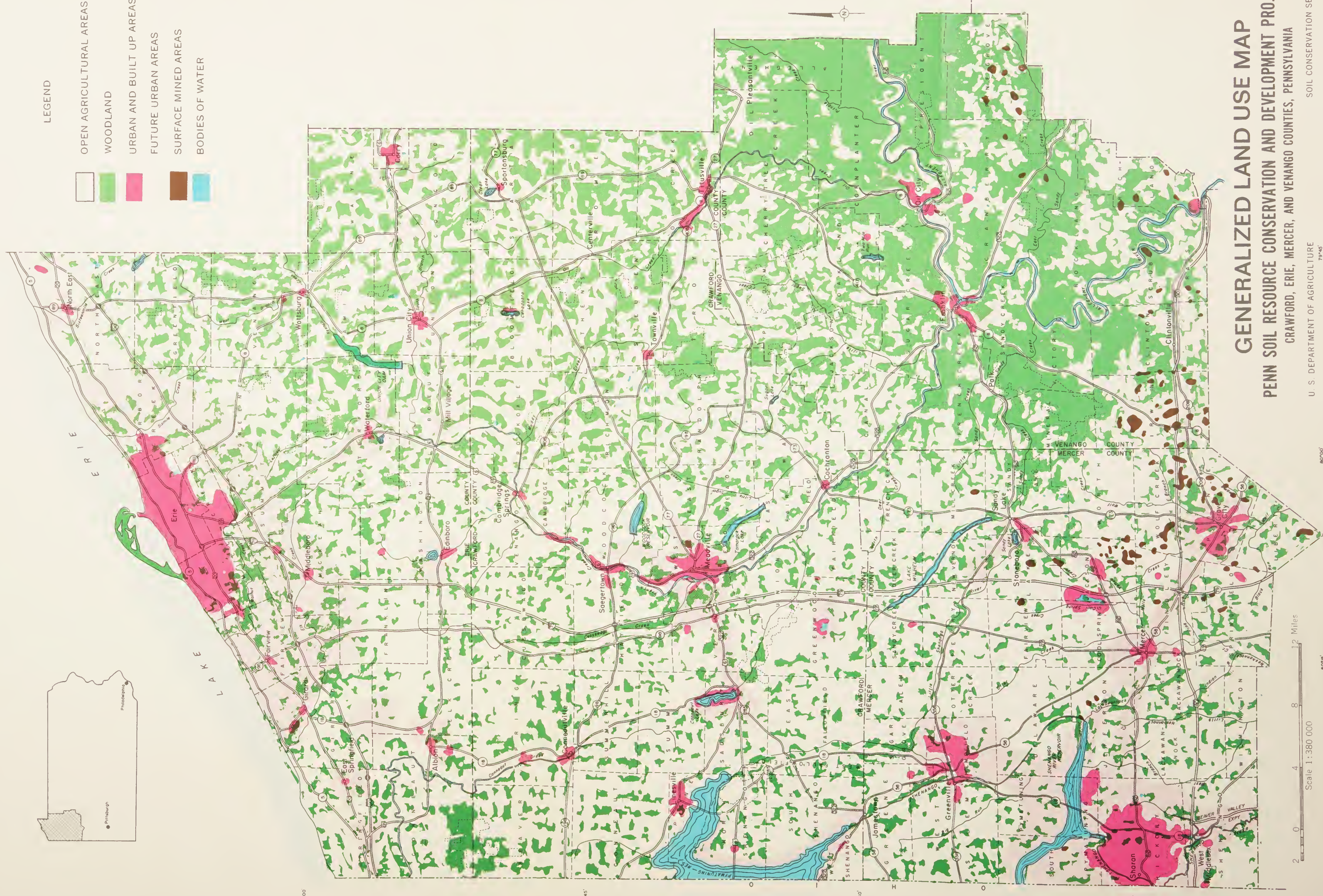
PENN SOIL RESOURCE CONSERVATION AND DEVELOPMENT PROJECT
CRAWFORD, ERIE, MERCER, AND VENANGO COUNTIES, PENNSYLVANIA

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE



LEGEND

- OPEN AGRICULTURAL AREAS
- WOODLAND
- URBAN AND BUILT UP AREAS
- FUTURE URBAN AREAS
- SURFACE MINED AREAS
- BODIES OF WATER



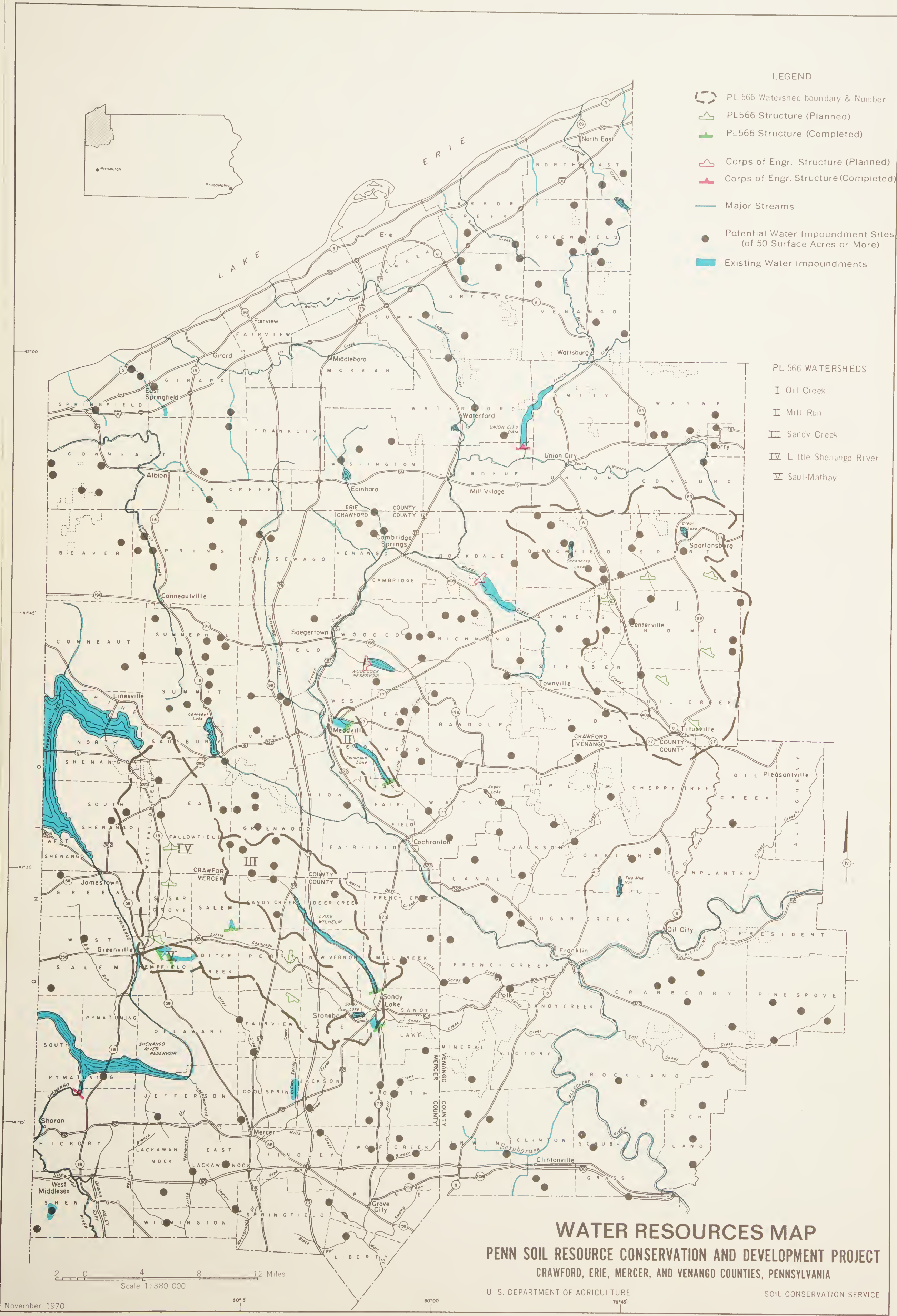
GENERALIZED LAND USE MAP
PENN SOIL RESOURCE CONSERVATION AND DEVELOPMENT PROJECT
CRAWFORD, ERIE, MERCER, AND VENANGO COUNTIES, PENNSYLVANIA

LEGEND

- PL 566 Watershed boundary & Number
- PL 566 Structure (Planned)
- PL 566 Structure (Completed)
- Corps of Engr. Structure (Planned)
- Corps of Engr. Structure (Completed)
- Major Streams
- Potential Water Impoundment Sites (of 50 Surface Acres or More)
- Existing Water Impoundments

PL 566 WATERSHEDS

- I Oil Creek
- II Mill Run
- III Sandy Creek
- IV Little Shenango River
- V Saul-Mathay



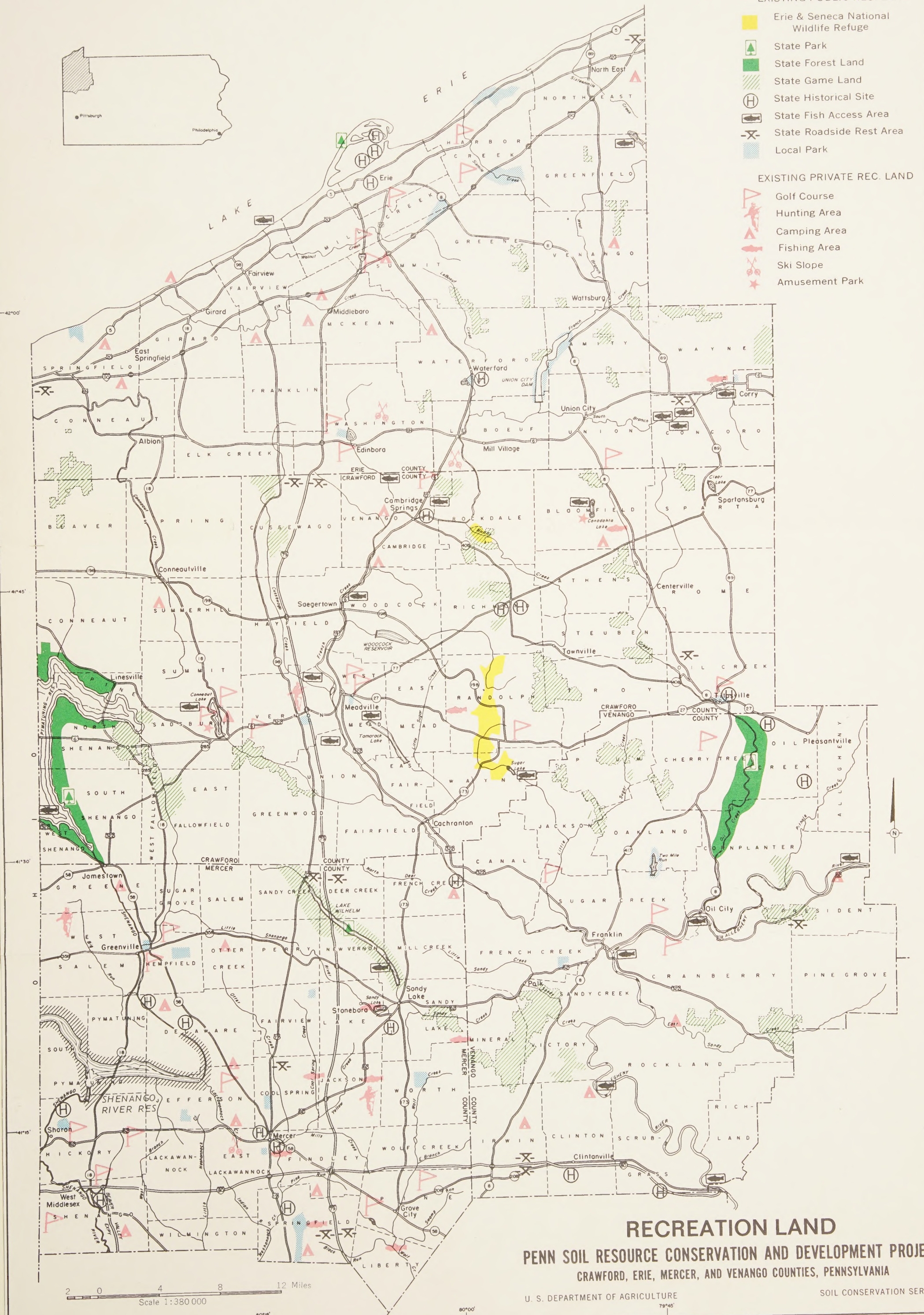
LEGEND

EXISTING PUBLIC REC. LAND

- Erie & Seneca National Wildlife Refuge
- State Park
- State Forest Land
- State Game Land
- H State Historical Site
- F State Fish Access Area
- X State Roadside Rest Area
- Local Park

EXISTING PRIVATE REC. LAND

- P Golf Course
- H Hunting Area
- C Camping Area
- F Fishing Area
- S Ski Slope
- A Amusement Park



RECREATION LAND

PENN SOIL RESOURCE CONSERVATION AND DEVELOPMENT PROJECT
CRAWFORD, ERIE, MERCER, AND VENANGO COUNTIES, PENNSYLVANIA

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Scale 1:380 000
0 4 8 12 Miles

